

California Energy Commission



CLASSIFICATION: Mechanical Engineer

TENURE: Permanent

TIME BASE: Full Time

SALARY: Mechanical Engineer – Range A: \$4,608 – \$5,494
Range B: \$5,276 – \$6,601
Range C: \$6,103 – \$7,635
Range D: \$6,897 – \$8,630

LOCATION: Efficiency Division
Appliances and Existing Buildings Office, Sacramento, CA

FINAL FILING DATE: Until Filled

Are you interested in being part of an innovative team at the forefront of developing and implementing appliance efficiency compliance policies? Do you want to work on implementing model programs emulated around the globe that deal with the greatest energy, environmental and economic issues of our time? Are you ready to make a difference in the world? Then this may be just the job for you!

The Commission is a diverse, family-friendly organization. We are conveniently located at 1516 9th Street. For your convenience, monthly parking is available as well as quick access to Sacramento Rapid Transit (Light Rail).

The full duty statement is available at <http://www.energy.ca.gov/careers/jobs.html>

DUTIES/RESPONSIBILITIES: The Mechanical Engineer serves as a technical resource person to provide advice for development and adoption of residential and nonresidential energy efficiency building projects and makes recommendations on specific engineering problems to determine the societal costs and benefits of mandatory and voluntary “reach” efforts.

- Prepare complete and comprehensive engineering reports, evaluate designs and specifications for mechanical systems such as heating, ventilating, and air conditioning (HVAC), determine the engineering specifications required for building energy efficiency measures (i.e., lighting, HVAC, thermal mass) to be incorporated into calculation methods. Perform engineering evaluation of the economic impact and energy savings of alternative building designs to verify cost effectiveness of the measures for adoption of the action plan for AB758 program.
- Perform difficult engineering research work and analysis related to improvements of mechanical equipment and systems and recommend for consideration and adoption in the AB 758 Program. Provide engineering support to the development of energy analysis computer programs and to determine the engineering assumptions included in

applications for approval of new calculation methodologies and energy analysis computer programs which determine compliance with the Existing Building Program.

- Prepare complete responses to difficult engineering correspondence and phone inquiries about building designs, drawings and specifications. Provide engineering review of building plans for compliance with the Existing Building Program.
- Serve as a technical resource person and provide professional engineering advice and prepare and present expert witness testimony on complex building design questions and manage complex engineering contracts to develop existing building designs and specifications. Occasional travel may occur in order to perform this task.
- Respond to requests for technical engineering assistance and information from the public, governmental agencies, utilities, and other organizations interested in energy efficiency policy, programs, and technologies.
- Organize, conduct and participate in workshops, hearings, conferences, briefings and training sessions.
- Perform other duties as required consistent with the specifications of this classification.

DESIRABLE EXPERIENCE/QUALIFICATIONS: The successful applicant should have:

- Excellent interpersonal skills and expected to work within a large team environment.
- Ability to communicate complicated information in a simple, consumer-friendly manner.
- Ability to coordinate interdisciplinary projects
- Strong written and verbal communication skills

WORKING CONDITIONS: Work is performed indoors in an office setting.

WHO MAY APPLY: All interested eligible persons are encouraged to apply. Interested applicants must submit a completed Standard State Application (Form STD. 678) to the address listed below. Electronic applications will not be accepted. Training and Development Assignments may be considered. **You must clearly indicate the basis of your eligibility (i.e., list, transfer, SROA/Surplus, reinstatement, etc.), RPA #410-278 and Position #4100-3583-006 the explanation section of the STD. 678.**

PLEASE NOTE: *Possession of minimum qualifications will be verified prior to interview and/or appointment. If it is determined an applicant does not meet the minimum qualifications, the application may be forwarded to the State Personnel Board for review and the applicant's name may be removed from the eligibility list.*

INTERESTED APPLICANTS SHOULD SUBMIT A COMPLETED STANDARD STATE APPLICATION (FORM STD. 678) TO:

Personnel Services
Attn: RPA# 410-278
1516 Ninth Street, M.S. #3
Sacramento, CA 95814
(916) 653-4521
personnelservices@energy.ca.gov

**California Relay (Telephone) Service for
the Deaf or Hearing-Impaired**
From TDD Phones: 1-800-735-2929
From Voice Phones: 1-800-735-2922